

## 57742 to 57748.

From Ibarra, Ecuador. Seeds presented by J. F. Tamayo. Received July 11, 1923. Quoted notes by Señor Tamayo, unless otherwise stated.

57742. *Datura* sp. Solanaceae.

"*Floripondio*. In general appearance this resembles the garden floripondio, but its fruits profusely, and the white flowers are somewhat smaller."

57743. *Lupinus* sp. Fabaceae. **Lupine.**

"*Wild altramuz*. From the Pinllar Ridge. I believe this is an annual and might be suitable as a cover crop in semiarid regions."

57744. *Lycopersicon esculentum* Mill. Solanaceae. **Tomato.**

"The plant from which these seeds were taken produced two crops."

57745. *Psidium* sp. Myrtaceae.

"*Guayabilla*. A wild guava which grows in the hacienda La Victoria, near Ibarra. In the wild state it is a shrub 4 feet high, while under cultivation it becomes 10 feet or more in height. The leaves and flowers are like those of the cultivated guava. It may prove valuable as a stock."

57746. *Salvia* sp. Menthaceae. **Sage.**

"A wild salvia with sky-blue flowers a half inch in diameter, found on waste land and on the edges of cultivated fields. It is herbaceous, about a foot high, and roots at the nodes."

57747. *Solanum* sp. Solanaceae.

"Seeds of a wild potato from La Rinconada."

"A wild solanum which grows abundantly in certain places, preferring the protection of shrubby vegetation along ravines on the paramo. The plant resembles that of the cultivated potato; the tubers, however, are rarely more than an inch long by half an inch in thickness, and they are whitish brown with white flesh. They are attacked by late-blight, as are cultivated potatoes in the same region." (*Wilson Popenoe*.)

57748. *Trifolium* sp. Fabaceae. **Clover.**

"A wild clover with white flowers, collected at La Rinconada."

57749. *Dioscorea alata* L. Dioscoreaceae. **Greater yam.**

From Barbados, British West Indies. Tubers presented by John R. Bovell, Director of Agriculture. Received July 5, 1923.

"*Barbados Red*. There are two varieties of this red yam, one darker than the other, and I am forwarding tubers of the darker one." (*Bovell*.)

"These tubers of the darker strain of the *Barbados Red* yam weigh from 1½ to 2 pounds each and are club shaped. The inner skin is deep purple, and except near the tip of the tuber, where it is pale purple, the flesh is moderately deep purple with scattered fibers of deeper color. This yam cooks mealy and rather dry and is of very good flavor. The color fades somewhat during cooking, leaving the yam an attractive light reddish purple." (*R. A. Young*.)

## 57750 to 57756.

From Egypt. Spikes collected by H. V. Harlan, Bureau of Plant Industry. Received July 12, 1923. Quoted notes by Doctor Harlan.

57750 to 57755. *Hordeum vulgare pallidum* Seringe. Poaceae. **Six-rowed barley.**

"From the Province of Sharqiyyh."

57750. "(No. 102. Shershema, Markaz of Hehia. May 14, 1923.) Spikes from a field of the delta type of barley."

## 57750 to 57756—Continued.

57751. "(No. 103. Markaz of Kop Lahr. May 14, 1923.) From the field of Ahmid Selim."

57752. "(No. 104. Markaz of Kop Lahr. May 14, 1923.) Spikes selected from two fields."

57753. "(No. 105. Markaz of Kop Lahr. May 14, 1923.) From the estate of Baron Menase."

57754. "(No. 106. Markaz of Kop Lahr. May 14, 1923.) From a field."

57755. "(No. 107. Markaz of Kop Lahr. May 14, 1923.) From a field."

57756. *Triticum dicoccum* Schrank. Poaceae. **Emmer.**

"(No. 108. Gizah. May 12, 1923.) Spikes of an Abyssinian emmer sent at this time because a severe storm has since damaged the plats and better spikes may not be obtainable."

57757 to 57769. *Saccharum officinarum* L. Poaceae. **Sugar cane.**

From Paseroean, Java. Seeds presented by Dr. J. Kuyper, Assistant Director, Sugar Experiment Station. Received July 17, 1923. Quoted notes by Doctor Kuyper.

"These are all self-crosses."

57757. "1499 P. O. J. Of Chunnor blood."

57758. 1407 P. O. J.

57759. "*Katha*. A British Indian cane resembling Chunnor."

57760 to 57769. "All of Kassoor blood."

57760. No. 2721. 57765. No. K 44.

57761. No. 2727. 57766. No. K 89.

57762. No. 2734. 57767. No. K 262.

57763. No. 1117. 57768. No. K 1349.

57764. No. 1177.

57769. "*Kassoor*. Kassoor blood is resistant to the yellow-stripe disease."

57770. *Ilex paraguariensis* St. Hil. Aquifoliaceae. **Yerba maté.**

From Buenos Aires, Argentina. Seeds presented by Edward F. Feely, commercial attaché, through B. R. Hart, Bureau of Foreign and Domestic Commerce. Received July 19, 1923.

Seeds of yerba maté introduced for the purpose of establishing this interesting beverage plant in the United States.

For previous introduction, see S. P. I. No. 55621.

57771. *Artocarpus communis* Forst. Moraceae. **Breadfruit.**

From Summit, Canal Zone. Plants presented by Holger Johansen, agronomist, Introduction Garden. Received July 30, 1923.

"The jack fruit (*Artocarpus integra*) has been grown successfully in southern Florida. The closely allied breadfruit, however, has not yet received an adequate trial in that State, and the department is now attempting to introduce seedless forms, which are the only ones worthy of extensive cultivation. These are propagated by cuttings which, as P. J. Wester, of the Philippine Bureau of Science, has shown, can readily be rooted in sand if made in the proper manner. While it is not anticipated that the breadfruit tree will ever become of economic importance in the continental United States, it is thought that it may prove an interesting addition to the list of tropical economic plants which can be grown in the gardens of southern Florida." (*Wilson Popenoe*.)

For previous introduction, see S. P. I. No. 57701.